

Report No.  
F12299-4006  
Account No.  
71096

# A & L GREAT LAKES LABORATORIES, INC.

3505 Conestoga Drive • Fort Wayne, IN 46808 • Phone 260-483-4759 • Fax 260-483-5274  
www.algreatlakes.com • lab@algreatlakes.com

**QUALITY ANALYSES FOR INFORMED DECISIONS**



To: PRECISION CROP SERVICES  
2417 STOCKTON ROAD  
STEVENS POINT, WI 54482-9127

For: WYSOCKI PRODUCE

Field: S13

Acres:

Soil: PLAINFIELD

Attn: PHIL BENDER

County: WOOD

Plow Depth: 7

Date Received: 10/24/2012 Date Reported: 10/30/2012

## SOIL TEST REPORT

WI DATCP Laboratory Certification Number 01-15-03-201

WisoiL-RES

Sample ID	Lab Number	OM * %	P * ppm	K * ppm	Mg ppm	Ca ppm	Soil * pH	Buffer * pH	CEC** meq/100g	Cation Saturation **				S ppm	Zn ppm	Mn ppm	Fe ppm	Cu ppm	B ppm	Bicarb-P ppm	NO3-N ppm**
										%K	%Mg	%Ca	%H								
1	8688	1.7	23	32			5.4	6.5													
2	8689	1.8	22	20			5.1	6.5													
3	8690	2.1	6	22			5.2	6.5													
4	8691	1.8	11	19			4.9	6.3													
5	8692	2.2	20	40			5.0	6.5													
6	8693	1.5	68	109			5.4	6.7													
7	8694	1.5	29	25			5.8	6.9													
8	8695	2.4	8	23			5.2	6.7													
9	8696	2.6	13	19			5.4	6.7													
10	8697	2.6	16	29			4.9	6.3													
11	8698	1.8	32	25			5.0	6.4													
12	8699	0.8	19	38			5.1	6.8													
13	8700	1.5	29	40			5.2	6.6													
Average		1.9	18 <sup>^</sup>	28 <sup>^</sup>			5.2														

\* Soil Test Recommendations for Field, Vegetable and Fruit Crops, UW A2809, 1998. \*\* Recommended Chemical Soil Test Procedures for the North Central Region, NCR No. 221, 1998. ^ Weighted average, UW-A2809.

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(UW RECOMMENDATIONS)



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Field S13 County Wood Soil Name (or subsoil group) Plainfield Acres	Plow Depth	NUTRIENT RECOMMENDATIONS											
		Cropping Sequence	Yield Goal	Crop Nutrient Need		Fertilizer Credit		Nutrients to Apply					
				N	P205	K2O	Legume N	Manure N	P205	K2O	N	P205	K2O
			per acre	lbs/acre	below	lbs/acre	lbs/acre	lbs/acre	lbs/acre	lbs/acre	lbs/acre	lbs/acre	lbs/acre
		Corn, grain	191-220 bu	100	105	0	0	0	0	0	200	100	105
		Corn, sweet	8.1-10 ton	150	55	105	0	0	0	0	150	55	105
		Potato	451-550 cwt	220	155	305	0	0	0	0	220	155	305
		Alfalfa, established	7.6-8.5 ton	0	130	530	0	0	0	0	0	130	530

The lime required for this rotation to reach pH 6.0 is 4 T/a of 60-69 lime or 3 T/a of 80-89 lime.

SUGGESTED N APPLICATION RATES (LB/A) FOR CORN (GRAIN) AT DIFFERENT N:CORN PRICE RATIOS <sup>2</sup>						
Soil Yield Potential	Previous Crop	N:Corn Price Ratio (\$/lb N:\$/bu)				
		0.05	0.10	0.15	0.20	
Sands & Loamy Sands	Irrigated - all crops	Rate <sup>3</sup>	Range <sup>4</sup>	Rate	Range	Rate
		215	205-225	205	195-215	195
Loamy Sands	Non-irrigated - all crops	140	130-150	130	120-140	120
					110-130	110

- <sup>1</sup> To determine soil yield potential, consult UWEX publication A2809 or contact your county agent or agronomist.
- <sup>2</sup> Includes N in starter
- <sup>3</sup> Maximum return to N (MRTN) rate.
- <sup>4</sup> Profitability range within \$1/A of MRTN rate.
- <sup>5</sup> Subtract N credit for forage legumes, legume vegetables, animal manures, green manures.
- <sup>6</sup> Subtract credits for animal manures and second year forage legumes.

## ADDITIONAL INFORMATION

The lime required for this rotation to reach pH 6.0 is 4 T/a of 60-69 lime or 3 T/a of 80-89 lime.  
Recommended soil pH for scab-susceptible potatoes is 5.2. No lime is recommended for this crop.  
Parts of this field may not benefit from liming. Please see the unadjusted lime requirements in the Laboratory Analysis section below.  
Some parts of this field are more acid and may require additional lime.  
If lime has been applied in the last two years, more lime may not be needed due to incomplete reaction.  
Recommended rates are the total amount of nutrients to apply (N-P-K), including starter fertilizer.  
This field is irrigated. Fertilizer recommendations for irrigated fields made for top yield potentials. Retest every 2 years.  
Retest fields used for these high value crops every 2 years.  
Because of the low potassium buffering capacity of this soil, retest every 2 years.  
Year 1: If corn is harvested for silage instead of grain add extra 30 lbs P2O5 per acre and 90 lbs K2O per acre to next crop.  
Starter fertilizer (e.g. 10+20+20 lbs N+P2O5+K2O/a) is advisable for row crops on soils slow to warm in the spring.  
If alfalfa will be maintained for more than three years, increase recommended K2O by 20% each year.

TEST INTERPRETATION				
Cropping Sequence	Very Low	Low	Optimum	High
Corn, grain	DDDDDDDDDDDDDDDD KKKKKK			
Corn, sweet	DDDDDDDDDDDDDDDD KKKKKK			
Potato	DDDDDD KKKKKK			
Alfalfa, established	DDDDDDDDDDDDDDDD KKKKKK			
Rotation pH	XXXXXXXXXXXXXXXXXX			

LABORATORY ANALYSIS SUMMARY									
Sample Identification	Lab Number	Soil pH	O.M. %	Phosphorus ppm	Potassium ppm	Calcium ppm	Magnesium ppm	Estimated CEC	Boron ppm
Adjusted Avg.		5.2	1.9	18	28				

LAB USE									
	Texture	Sample Density	Buffer Code						
		2	5.1	6.5					

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### **SECONDARY AND MICRONUTRIENT RECOMMENDATIONS**

**Interpretations** \_\_\_\_\_ >